

✓

L3 ANSWER 49 OF 108 CA COPYRIGHT 2005 ACS on STN
AN 123:207992 CA
ED Entered STN: 14 Oct 1995
TI Treatment of incinerator fly ashes containing chlorinated organic
compounds and mercury and apparatus for the treatment
IN Hamaguchi, Keizo; Oogaki, Yoji; Yamaguchi, Hiroshi; Okuyama, Keiichi;
Nakamura, Sazo
PA Nippon Kokan Kk, Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF

DT Patent
LA Japanese
IC ICM B09B003-00
ICS B09B003-00; F23J001-00
CC 60-5 (Waste Treatment and Disposal)
Section cross-reference(s): 59
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07155723	A2	19950620	JP 1993-301661	19931201
	JP 3248319	B2	20020121		
PRAI	JP 1993-301661		19931201		

CLASS.

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 07155723	ICM	B09B003-00
	ICS	B09B003-00; F23J001-00

AB The process, for removal of chlorinated org. compds., e.g. dioxins, and Hg from fly ashes recovered from incinerators, comprises pretreatment for removal of Hg by **heating** the fly ashes at higher temp. than that at which Hg evaps., preferably at 250-350.degree. using a part of the combustion waste gases at the lower parts of boilers attached to the incinerators and decompn. of dioxins by **heating** the fly ashes at higher temp. than that dioxins decomp., preferably at 400-600.degree., using the combustion waste gases. Preferably, reducing agents are added to fly ashes for removal of Hg. The app., having precipitators and units for treatment of harmful gases, is equipped with units for the pretreatment for evapn. and removal of Hg by combustion waste gases at the lower parts of boilers, units, for **heating** of fly ashes for decompn. of dioxins, which are placed at the lower parts of boilers and whose upper surfaces are open to the insides of boilers, and units for transport of fly ashes discharged from the precipitators to the units for the pretreatment and then to the units for **heating**.

ST **fly ash mercury dioxin removal;**
flue gas ash dioxin decompn; **reducing agent ash mercury**
removal; incinerator fly ash treatment
IT Flue gases
Incinerators